

## California Weather-Hydro Conditions during March 2010

As of March 31, 2010, statewide hydrologic conditions were as follows: precipitation, 105 percent of average to date; runoff, 65 percent of average to date; and reservoir storage, 85 percent of average for the date. Sacramento River unimpaired runoff observed through March 31, 2010 was about 7.5 million acre-feet (MAF), which is about 66 percent of average. For comparison, on March 31, 2009, the observed Sacramento River unimpaired runoff through that date was about 7.1 MAF, or about 63 percent of average.

On April 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 40.7 inches, which is about 98 percent of the seasonal average to date and about 81 percent of an average water year (50 inches). During March, the precipitation total for the 8-Stations was 6.4 inches, or about 93 percent of average. Last year on April 1, 2009, the seasonal total for the 8-Stations to date was 37.9 inches, or about 91 percent of the seasonal average to date.

| Selected Cities Precipitation Accumulation as of 3/31/2010 (National Weather Service Water Year: July through June) |   |          |   |          |  |
|---|---|----------|---|----------|--|
| City  | Jul 1 to Date<br>2009 - 2010<br>(in inches) | %<br>Avg | Jul 1 to Date<br>2008 - 2009<br>(in inches) | %<br>Avg | % Avg "Water Year"<br>Jul 1 to Jun 30<br>2009 - 2010 |
| Eureka  | 30.93                                       | 94       | 25.41                                       | 77       | 81   |
| Redding   | 24.52                                       | 85       | 18.51                                       | 64       | 73   |
| Sacramento  | 17.23                                       | 106      | 13.30                                       | 82       | 96   |
| San Francisco   | 17.75                                       | 96       | 13.90                                       | 75       | 88   |
| Fresno  | 9.96  | 101      | 6.39  | 65       | 89   |
| Bakersfield   | 5.69  | 100      | 4.13  | 73       | 88   |
| Los Angeles   | 11.10                                       | 91       | 7.98  | 65       | 84   |
| San Diego   | 8.74  | 90       | 8.94  | 92       | 81   |

| Key Reservoir Storage (1,000 AF) as of 3/31/2010 |             |         |             |              |          |               |                               |                          |
|--|-------------|---------|-------------|--------------|----------|---------------|-------------------------------|--------------------------|
| Reservoir  | River       | Storage | Avg Storage | %<br>Average | Capacity | %<br>Capacity | Flood Control<br>Encroachment | Total Space<br>Available |
| Trinity Lake                                     | Trinity     | 1,303   | 1,960       | 66           | 2,448    | 53            | ---                           | 1,145                    |
| Shasta Lake                                      | Sacramento  | 3,869   | 3,736       | 104          | 4,552    | 85            | -541                          | 683                      |
| Lake Oroville                                    | Feather     | 1,650   | 2,754       | 60           | 3,538    | 47            | -1,443                        | 1,888                    |
| New Bullards Bar Res                             | Yuba        | 684     | 695         | 98           | 966      | 71            | -112                          | 282                      |
| Folsom Lake                                      | American    | 562     | 626         | 90           | 977      | 58            | -139                          | 415                      |
| New Melones Res                                  | Stanislaus  | 1,267   | 1,486       | 85           | 2,420    | 52            | -771                          | 1,153                    |
| Don Pedro Res                                    | Tuolumne    | 1,646   | 1,474       | 112          | 2,030    | 81            | -44                           | 384                      |
| Lake McClure                                     | Merced      | 565     | 578         | 98           | 1,025    | 55            | -171                          | 460                      |
| Millerton Lake                                   | San Joaquin | 421     | 360         | 117          | 520      | 81            | -44                           | 99                       |
| Pine Flat Res                                    | Kings       | 583     | 560         | 104          | 1,000    | 58            | -182                          | 417                      |
| Isabella   | Kern        | 169     | 195         | 87           | 568      | 30            | -232                          | 399                      |
| San Luis Res                                     | (Offstream) | 1,715   | 1,874       | 92           | 2,039    | 84            | ---                           | 324                      |

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather outlook for April 2010, issued March 31, 2010, forecasts an increased chance of above average precipitation for the northern and southern portions of California. No tendency is suggested in the central region of the State.